



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D4943-1**Job Sheet 195631****Part No:** D4943-1**Job Qty:** 10 pcs**Part Name:** Flex Hose**Part Weight:** 0 lbs**Status:** New**Priority:** Medium**Job Created:** 5/28/19**Job Tracking No:****Due Date:** 6/28/19**Created By:** Chantal Lavoie**Type:** Stock**Description:**

Note: DWG D4943 REV.D IPP REV.A NEW ISSUE JFS 13/09/19 VERIFY BY: DD IPP REV.B 14.05.05 AS PER
DWG REV.B DD VERF BY:JLM IPP REV:C 14.06.18 AS PER DWG REV.C DD VERF:JLM IPP REV:D
19.04.15 AS PER DWG REV.D DD VERF:JFS

Ship Via:**Bill of Materials****Job Routing**

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	Sign-off
					Setup	Run		
					Hrs	Hrs	Workcenter / Supplier Lead Time	
100	Purchasing	10 pcs	6/28/19	0.00	0.00		Purchasing - 1	
							Purchasing - 2	
							Purchasing - 3	
110	Packaging 2-1 - Receive -	10 pcs	6/28/19	0.00	0.00		Packaging 2 - 1 - B4B	
							Packaging 2 - 2 - B4B	
							Packaging 2 - 3 - B4B	
							Packaging 2 - 5 - B4B	
							Packaging 2 - 4 - B4B	
							Packaging 2 - 6 - B4B	
							Packaging 2 - 7 - B4B	
							Packaging 2 - 8 - B4B	
							Packaging 2 - 9 - B4B	
							Packaging 2 - 10 - B4B	
							Packaging 2 - 11 - B4B	
							Packaging 2 - 12 - B4B	
							Packaging 2 - 13 - B4B	
							Packaging 2 - 14 - B4B	
							Packaging 2 - 15 - B4B	
							Packaging 2 - 16 - B4B	
							Packaging 2 - 17 - B4B	
							Packaging 2 - 18 - B4B	
							Packaging 2 - 19 - B4B	
							Packaging 2 - 20 - B4B	
							Packaging 2 - 21 - B4B	
							Packaging 2 - 22 - B4B	
							Packaging 2 - 23 - B4B	
							Packaging 2 - 24 - B4B	
							Packaging 2 - 25 - B4B	
							Packaging 2 - 26 - B4B	
							Packaging 2 - 27 - B4B	



Dart Aerospace Ltd.
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CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S199091**Part:** D4943-1**Job No:** 195631**Serial No/Batch:** S199091**Revision:** D**Inspector:****Exp Date:****Instructions:** Various STC's**Date:** 07/18/19

				Packaging 2 - 28 - B4B	
				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
120	QC 6	10 pcs	6/28/19	0.00 0.00	QC 6 - 9
					QC 6 - 68
					QC 6 - 61
					QC 6 - 40
130	Packaging 3-1 - Stock - B4B	10 pcs ✓	6/28/19	0.00 0.00	Packaging 3 - 1 - B4B
					Packaging 3 - 2 - B4B
					Packaging 3 - 3 - B4B
					Packaging 3 - 4 - B4B
					Packaging 3 - 5 - B4B
					Packaging 3 - 6 - B4B
					Packaging 3 - 7 - B4B
					Packaging 3 - 8 - B4B
					Packaging 3 - 9 - B4B
					Packaging 3 - 10 - B4B
					Packaging 3 - 11 - B4B
					Packaging 3 - 12 - B4B
					Packaging 3 - 13 - B4B
					Packaging 3 - 14 - B4B
					Packaging 3 - 15 - B4B
					Packaging 3 - 16 - B4B
					Packaging 3 - 17 - B4B
					Packaging 3 - 18 - B4B
					Packaging 3 - 19 - B4B
					Packaging 3 - 20 - B4B
					Packaging 3 - 21 - B4B
					Packaging 3 - 22 - B4B
					Packaging 3 - 23 - B4B
					Packaging 3 - 24 - B4B
					Packaging 3 - 25 - B4B
					Packaging 3 - 26 - B4B
					Packaging 3 - 27 - B4B
					Packaging 3 - 28 - B4B
					Packaging 3 - 29 - B4B
					Packaging 3 - 30 - B4B
					Packaging 3 - 31 - B4B
					Packaging 3 - 32 - B4B
					Packaging 3 - 33 - B4B
					Packaging 3 - 34 - B4B
					Packaging 3 - 35 - B4B
					Packaging 3 - 36 - B4B
140	QC 21 - SA	10 pcs	6/28/19	0.00 0.00	QC 21 - SA - 21
					QC 21 - SA - 70

Part Op 100 - Purchasing - Issue P/O: _____ Purchase part #: 12EAS1S2-03900F Possible supplier: AERO-FLEX

Descriptions: Certificate of conformity is required

110 - Receive & Inspect for Damage & Mat'l Certs - Certificate of conformity is required.

120 - QC6- All purchased or subcontracted products

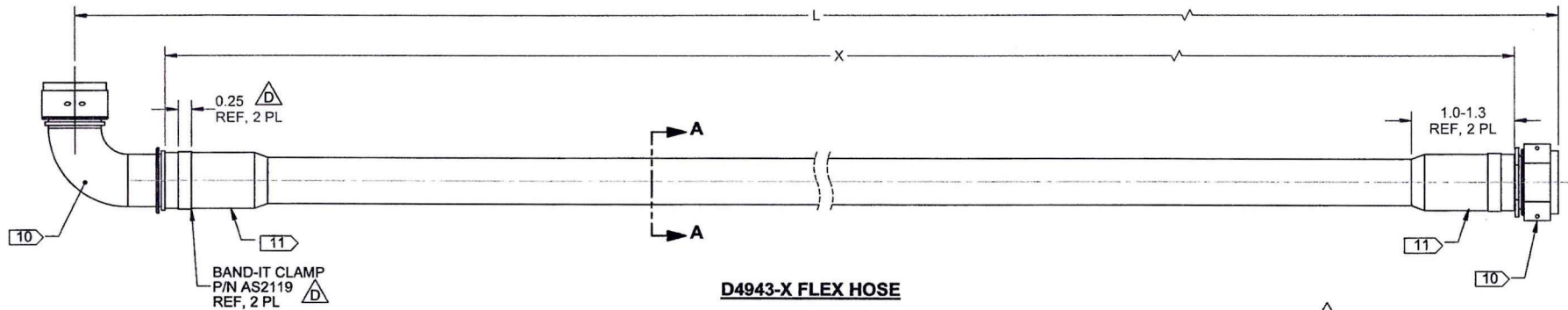
130 - Identify as per dwg & Stock Location: _____

140 - QC21- Final Inspection - Work Order Release

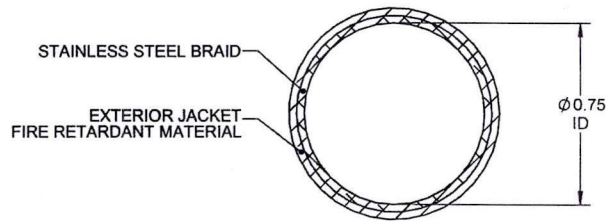
Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
12EAS1S2-03900F	Flex Hose D4943-1	10 pcs (1 ea)	100-Purchasing	SL99084
Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	12EAS1S2-03900F	10	0	0
Part Specifications				
Specifications could not be found.				

Plex 5/28/19 8:08 AM dart.lavoie.chantal

SPECIFICATION CONTROL DRAWING



D4943-X FLEX HOSE



**SECTION A-A
TUBE BUILD-UP**

DART P/N	"L"	VENDOR	VENDOR P/N	WEIGHT	LENGTH OF EXTERIOR JACKET "X"
D4943-1	40.00	AERO-FLEX	12EAS12S-03900F OR 12EAS1S2-03900F	1.3 lbs	38" FREE LENGTH 37.1" INSTALLED LENGTH

NOTES:

- 1) MATERIAL: BRAID: STAINLESS STEEL PER MANUFACTURER
JACKET: FIRE RETARDANT MATERIAL PER MANUFACTURER
END FITTING: STAINLESS STEEL PER MANUFACTURER
- 2) FINISH: N/A
- 3) TOLERANCES: N/A
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: PER QSI 044 6.1.
- 7) WEIGHT: SEE TABLE
- 8) MAXIMUM OPERATING TEMPERATURE 500°F
- 9) MAXIMUM OPERATING PRESSURE 120 PSI
- 10) END FITTING REQUIREMENTS: FEMALE, 3/4, 37° JIC FITTING (THREAD 1-1/16 UN), WITH LOCKWIRE HOLES
- 11) OXIDE-RED FIRE SLEEVE END DIP PER MIL-A-46146 AND NAV. AIR 01-1A-20

RELEASED

2019 APR 11
EN 14-639

D	ADDED NOTE 11, REVISED TABLE, REF CAR 18-265	VS	19.03.12
C	SEE CHART ADDED ADDITIONAL ACCEPTABLE P/N	AJS	14.05.01
B	SEE CHART: VENDOR WAS SWAGelok, VENDOR P/N WAS SS-FJ12TA12AS12-40F. REASON: VENDOR CHANGED FOR LEADTIME ISSUES.	AJS	14.03.14
A	NEW ISSUE	AJS	13.09.18
REV.	DESCRIPTION	BY	DATE
DESIGN	AS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	PM	DRAWING NO.	REV. D
MFG. APPR.	SH	D4943	SHEET 1 OF 1
APPROVED	VS	TITLE	SCALE
DE APPR.	DS	FLEX HOSE	NTS
DATE	19.03.12	COPYRIGHT © 2013 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

APPROVED



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB043571



Supplier: AEF002-VU
Aero-Flex Corp
3147 Jupiter Park Cir
Jupiter, FL 33458 USA
Phone: 561-745-2534
Fax: 561-745-2537

PO No: POHB043571

PO Date: 5/29/19

Due Date: 7/17/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Phone:

E-MAILED
MAY 29 2019

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	195631	12EAS1S2-03900F			Flex Hose D4943-1 : AS PER DWG D4943 REV. D	Firmed	-	7/17/19 7/18/19	10 pcs	0 pcs	10 pcs	\$603.94/pcs	\$6,039.40
						X/10							DP
													JUL 18 2019
2	195632	12EAS1S2-03900F			Flex Hose D4943-1 : AS PER DWG D4943 REV. D	Firmed	-	7/17/19 7/19/19	10 pcs	0 pcs	10 pcs	\$603.94/pcs	\$6,039.40
						X/10							DP
													JUL 18 2019
3	195633	12EAS1S2-03900F			Flex Hose D4943-1 : AS PER DWG D4943 REV. D	Firmed	-	8/8/19 7/22/19	10 pcs	0 pcs	10 pcs	\$603.94/pcs	\$6,039.40
						X/10							DP
													JUL 18 2019

Grand Total: \$18,118.20

[Handwritten signature]
29-05-19



Dart Aerospace Ltd.
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Hawkesbury, ON
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Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB043571



Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)

A012 CHEMICAL AND PHYSICAL TEST REPORTS

A016 PERSONNEL QUALIFICATION

A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

cd

Plex 5/29/19 9:00 AM dart.lavoie.chantal

Aero-Flex Corp.**3147 Jupiter Park Circle
Jupiter FL 33458**Phone# 561-745-2534 Fax# 561-745-2537
www.aero-flex.aero**Packing Slip****Certificate of Conformance**

Date	Invoice #
7/12/2019	3198

Bill To	Ship To
Dart Aerospace Ltd 1270 Aberdeen Street Hawkesbury, ON K6A 1K7	Dart Aerospace Ltd 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Canada

AF S.O. #	Customer P.O. #	Ship Date	Via	FOB	Project
POHB043571	POHB043571	7/12/2019	Federal Express		

Quantity	Item	Part Number/Rev	Description
10	1	D4943-1	FLEX HOSE ASSEMBLY - AF#12EAS1S2-03900F
10	2	D4943-1	FLEX HOSE ASSEMBLY - AF#12EAS1S2-03900F
10	3	D4943-1	FLEX HOSE ASSEMBLY - AF#12EAS1S2-03900F
			PLEASE SHIP ON CUSTOMERS FED EX GROUND ACCT# 151793240 RECEIVED JUL 18 2019 DART AEROSPACE LTD.

We hereby certify the above parts, including all materials, have been manufactured, tested and packed in conformance with all requirements of your order and the applicable government specifications and standards. Records of tests, inspections and certification indicating the above conformance are on file at Aero-Flex Corp. available for examination. It is hereby certified that any parts identified with TSO identification (a) were produced under Federal Aviation Administration (FAA) approved manufacturing and quality control system/methods as set forth in the FAA issued Technical Standard Order authorizations (TSO), and (b) such parts and/or materials are new and are in condition for safe operation. If applicable, satisfactory compliance with the conditions and tests required for TSO approval indicates the hose assembly has met the minimum performance standards in this TSO.

It is the responsibility of those desiring to install this hose assembly on an aircraft or engine to determine that the installation will not cause the hose assembly to be subjected to conditions in excess of those for which it has been approved. The hose assembly may only be installed in a manner acceptable to, or approved by, the Administrator.

The above commodities are subject to the Export Administration Regulations (EAR) and/or International Traffic in Arms Regulations (ITAR). If applicable, it is your responsibility to obtain a validated export license for this material from the Department of Commerce or the Department of State if so required under the applicable U.S. Govt. Export Control Regulation. The above material shall not be shipped to any country that has an embargo placed on it by the U.S. Govt or any entity on the U.S. Debarred list. By accepting the items on this PackSlip/C of C/Invoice you agree to Aero-Flex Corp's Terms and Conditions of Sale. These commodities, technology or software were exported from the United States in accordance with Export Administration Regulations. Diversion contrary to U.S. law is prohibited. These items may not be used directly or indirectly in prohibited nuclear, chemical, biological, or missile weapon activities.

**Michael E. Scott
Quality Manager**Form 4QF015-01
REV C

Aero-Flex Corporation
3147 Jupiter Park Circle, Ste. 2
Jupiter, Florida 33458
Ph 561.745.2534 Fax 561.745.2537



PRESSURE TESTING / HELIUM MASS SPEC EXAMINATION REPORT

☒ Aerospace ☐ Ground Support

TO Aero-Flex Corporation		FROM Anthony Petty		DATE 07/11/2019	
PROJECT AF Dwg: 12EAS1S2-03900F Dwg Rev: - Part: 12EAS1S2-03900F Part Rev: -					
PURCHASE ORDER NO. AF INVENTORY Line 1			AF ROUTER NO. STK5591		
ITEM	☒ Weld ☐ Castings ☐ Pipe		☒ Machined Parts		Other Hose
	☒ Non-Weld ☐ Castings ☐ Pipe		☒ Machined Parts		Other Hose
MATERIAL	Size 3/4"	No. of pieces 20	Type of Base Metal AUSS	Type of Filler Metal P8	WELD ☒ As Welded ☐ Smooth
LOCATION	Location Aero-Flex Corporation			System PT-001	
Acceptance Standard CUSTOMER			Procedure AF 2QP024		
TYPE OF CHECK	☒ Initial ☐ In Process ☐ Rework ☐ 24 Hr ☐ 7 Day ☒ Final				
TYPE OF INSPECTION METHOD	☒ Hydrostatic ☐ Pneumatic ☐ Bubble Test ☐ HMST-Pressurized Components ☐ HMST-Evacuated Components				
	Test Pressure/Vacuum 180 PSIG		Test Temperature 75°F Ambient		HMST Test Instrument N/A
	Test Medium/Concentration Potable Tap Water		Bubble Solution N/A		HMST Standard Leak N/A
	Gage Mfr. McDaniel	Model FIP-GF	Range 0-3000 PSIG	ID Number AFCG301	Tracer Gas/Concentration N/A
	Soak Time/Test Holding Time 10 Minutes Minimum				HMST Sensitivity Acceptance N/A
Reference Summary CUTOMER DRAWING (D4943)			Results of Inspection Satisfactory/Pass No Leaks were Detected. DAS 81 9-89		
Copy To: AF File		Requested By PO Contract		Reported By Anthony Petty	
		☐ Customer Specifications ☒ Accept ☐ Reject		Quality Designee Michael Scott	

NOTICE: THIS EXAMINATION REPORT IS A REPORT OF THE RESULTS OF THE TEST PROCEDURES ACTUALLY PERFORMED BY THIS COMPANY. IT IS SUBJECT TO THE LIMITATIONS OF THE TESTING SPECIFICATIONS AND PROCEDURES WHICH WERE UTILIZED. BY FURNISHING THIS REPORT, AERO-FLEX CORPORATION DOES NOT GUARANTEE ANY CONDITION OF THE TESTED SPECIMEN.

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PRESSURE TESTING / HELIUM MASS SPEC EXAMINATION REPORT

☒ Aerospace ☐ Ground Support

TO Aero-Flex Corporation		FROM Anthony Petty		DATE 07/12/2019	
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PURCHASE ORDER NO. AF INVENTORY Line 1			AF ROUTER NO. STK5591		
ITEM	☒ Weld ☐ Castings ☐ Pipe		☒ Machined Parts		Other Hose
	☒ Non-Weld ☐ Castings ☐ Pipe		☒ Machined Parts		Other Hose
MATERIAL	Size 3/4"	No. of pieces 14	Type of Base Metal AUSS	Type of Filler Metal P8	WELD ☒ As Welded ☐ Smooth
LOCATION	Location Aero-Flex Corporation			System PT-001	
Acceptance Standard CUSTOMER			Procedure AF 2QP024		
TYPE OF CHECK	☒ Initial ☐ In Process ☐ Rework ☐ 24 Hr ☐ 7 Day ☒ Final				
TYPE OF INSPECTION METHOD	☒ Hydrostatic ☐ Pneumatic ☐ Bubble Test ☐ HMST-Pressurized Components ☐ HMST-Evacuated Components				
	Test Pressure/Vacuum 180 PSIG		Test Temperature 75°F Ambient		HMST Test Instrument N/A
	Test Medium/Concentration Potable Tap Water		Bubble Solution N/A		HMST Standard Leak N/A
	Gage Mfr. McDaniel	Model FIP-GF	Range 0-3000 PSIG	ID Number AFCG301	Tracer Gas/Concentration N/A
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Reference Summary CUTOMER DRAWING (D4943)			Results of Inspection Satisfactory/Pass No Leaks were Detected. DAS 81 9-89		
Copy To: AF File		Requested By PO Contract		Reported By Anthony Petty	
		☐ Customer Specifications ☒ Accept ☐ Reject		Quality Designee Michael Scott	

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 Jupiter, Florida 33458
 Ph 561.745.2534 Fax 561.745.2537



PRESSURE TESTING / HELIUM MASS SPEC EXAMINATION REPORT

☒ Aerospace ☐ Ground Support

TO Aero-Flex Corporation				FROM Anthony Petty		DATE 07/11/2019	
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Acceptance Standard CUSTOMER				Procedure AF 2QP024			
TYPE OF CHECK	☒ Initial ☐ In Process ☐ Rework ☐ 24 Hr ☐ 7 Day ☒ Final						
TYPE OF INSPECTION METHOD	☒ Hydrostatic ☐ Pneumatic ☐ Bubble Test ☐ HMST-Pressurized Components ☐ HMST-Evacuated Components						
	Test Pressure/Vacuum 180 PSIG		Test Temperature 75°F Ambient		HMST Test Instrument N/A		
	Test Medium/Concentration Potable Tap Water		Bubble Solution N/A		HMST Standard Leak N/A		
	Gage Mfr. McDaniel	Model FIP-GF	Range 0-3000 PSIG	ID Number AFCG301	Tracer Gas/Concentration N/A		
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Reference Summary CUTOMER DRAWING (D4943)				Results of Inspection Satisfactory/Pass No Leaks were Detected. DAS 81 9-89			
CopyTo: AF File		Requested By PO Contract		Reported By Anthony Petty			
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